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|-------|-------|--|--|------------------|---------|------------------|
| L1 | 1 | (watermark\$4 and contrast and measur\$4 and adjust\$4 and embed\$4 and predetermin\$4 and level\$4).CLM. | US-PGPU B | AND | ON | 2006/01/11 11:28 |
| L2 | 17479 | ((382/100,232,240) or (713/176,179) or (380/51,54,201,210,252,287) or (370/522,523,524,525,526,527,528,529) or (348/461,463) or (358/3.28) or (704/200.1,273) or (725/9,20,22) or (283/72,74,75,76,77,78,79,80,81,85,93,113,901,902)). CCLS. | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | OFF | 2006/01/11 11:23 |
| L4 | 2221 | 2 and (watermark\$4 or steganograph\$4 or water-mark\$4 or stegn\$5) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:31 |
| L5 | 2057 | 4 and (calculat\$4 or comput\$4 or estimat\$4 or measur\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:32 |

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|-----|------|-------------------------------|--|----|----|---------------------|
| L6 | 1901 | 5 and (embed\$4 or insert\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:25 |
| L7 | 672 | 6 and contrast\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:33 |
| L8 | 388 | 7 and adjust\$4 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:26 |
| L9 | 289 | 8 and map\$4 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:26 |
| L10 | 253 | 9 and filter\$4 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:27 |

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|-----|-----|---|--|-----|----|---------------------|
| L11 | 234 | 10 and (reduc\$4 or penaliz\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:28 |
| L12 | 225 | 11 and bit\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:28 |
| L13 | 58 | 12 and artifact\$4 | US-PGPU B | AND | ON | 2006/01/11 11:29 |
| L14 | 23 | 13 and (non-uniform\$4 or non near\$4 uniform\$3) | US-PGPU B | AND | ON | 2006/01/11 11:29 |
| L16 | 22 | 14 and (edg\$4 or contour or border or boundary\$4) | US-PGPU B | AND | ON | 2006/01/11 11:31 |
| L17 | 22 | 16 and noise | US-PGPU B | AND | ON | 2006/01/11 11:31 |
| L18 | 108 | (reduc\$4 near\$4 artifact\$4) and (watermark\$4 or steganograph\$4 or water-mark\$4 or stegn\$5) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:32 |
| L19 | 11 | 18 and (predetermin\$4 near\$3 level\$3) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:32 |

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| L20 | 11 | 19 and (calculat\$4 or comput\$4 or estimat\$4 or measur\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:34 |
| L21 | 4 | 20 and contrast\$3 | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:33 |
| L22 | 7 | 18 and (direction\$4 near4 edg\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:34 |
| L23 | 4 | 22 and ((calculat\$4 or comput\$4 or estimat\$4 or measur\$4) near4 (contrast\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2006/01/11 11:35 |

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| | |
|----------|----------------------------|
| IEEE JNL | IEEE Journal or Magazine |
| IEEE JNL | IEEE Journal or Magazine |
| IEEE CNF | IEEE Conference Proceeding |
| IEEE CNF | IEEE Conference Proceeding |
| IEEE STD | IEEE Standard |

**1. Comparative Study of Two Projective-Invariant Digital Watermarking Methods Using Cross-Intersection**

Pantuwong, N.; Chotikakamthorn, N.;
Computer and Information Technology, 2005. CIT 2005. The Fifth International Conference on
21-23 Sept. 2005 Page(s):543 - 547
Digital Object Identifier 10.1109/CIT.2005.88

AbstractPlus | Full Text: PDF(368 KB) IEEE CNF

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Citation



Citation & Abstract

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Select Article Information:

**1. Digital watermarking using local contrast-based texture masking**

Masry, M.; Chandler, D.; Hemami, S.S.;
Signals, Systems and Computers, 2003. Conference Record of the Thirty-Seventh Asilomar Confer
Volume 2, 9-12 Nov. 2003 Page(s):1590 - 1594 Vol.2
Digital Object Identifier 10.1109/ACSSC.2003.1292253

[AbstractPlus](#) | Full Text: [PDF](#)(576 KB) IEEE CNF**2. Video quality measurement using digital watermarking**

Wang, S.; Zheng, D.; Zhao, J.; Tam, W.J.; Speranza, F.;
Haptic, Audio and Visual Environments and Their Applications, 2004. HAVE 2004. Proceedings. Th
International Workshop on
2-3 Oct. 2004 Page(s):183 - 188

[AbstractPlus](#) | Full Text: [PDF](#)(661 KB) IEEE CNF**3. A vision-based masking model for spread-spectrum image watermarking**

Kutter, M.; Winkler, S.;
Image Processing, IEEE Transactions on
Volume 11, Issue 1, Jan. 2002 Page(s):16 - 25
Digital Object Identifier 10.1109/83.977879

[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(233 KB) IEEE JNL**4. Foveated image watermarking**

Koz, A.; Aydin Alatan, A.;
Image Processing. 2002. Proceedings. 2002 International Conference on
Volume 3, 24-28 June 2002 Page(s):657 - 660 vol.3
Digital Object Identifier 10.1109/ICIP.2002.1039056

[AbstractPlus](#) | Full Text: [PDF](#)(330 KB) IEEE CNF
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Date: 1/11/2006

Time: 11:39:56

 **PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = HANNIGAN

First Name = BRETT T.

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|--------------|---------|--------|------------|--|-----------------------|
| 09444770 | 6366680 | 150 | 11/22/1999 | ADJUSTING AN ELECTRONIC CAMERA TO ACQUIRE A WATERMARKED IMAGE | HANNIGAN, BRETT T. |

Inventor Search Completed: No Records to Display.

| | | | |
|---------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | Last Name | First Name | |
| Search Another: Inventor | <input type="text" value="Hannigan"/> | <input type="text" value="Brett T."/> | <input type="button" value="Search"/> |

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Day : Wednesday

Date: 1/11/2006

Time: 11:40:55

 PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = REED

First Name = ALASTAIR M.

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|--------------------------|-------------------------|--------|------------|--|-------------------|
| 07531897 | Not Issued | 166 | 06/01/1990 | REAL TIME TRANSFORMATION BETWEEN COLOUR SPACES | REED, ALASTAIR M. |
| 07841681 | 5327257 | 150 | 02/26/1992 | METHOD AND APPARATUS FOR ADAPTIVELY INTERPOLATING A DIGITAL IMAGE | REED, ALASTAIR M. |
| 08235218 | Not Issued | 161 | 04/29/1994 | REAL TIME TRANSFORMATION BETWEEN COLOUR SPACES | REED, ALASTAIR M. |
| 08251689 | 5564006 | 150 | 05/31/1994 | REAL TIME TRANSFORMATION BETWEEN COLOR SPACES | REED, ALASTAIR M. |
| 08749669 | 5995653 | 150 | 11/15/1996 | DIGITAL IMAGE PROCESSING SYSTEM AND METHOD | REED, ALASTAIR M. |
| 09264009 | 6117625 | 150 | 03/08/1999 | METHOD AND APPARATUS FOR CREATING A COMPOSITE IMAGE BY THE TILING OF MULTIPLE IMAGE FRAMES | REED, ALASTAIR M. |

Inventor Search Completed: No Records to Display.

Search Another: Inventor

| | | |
|-----------------------------------|--|---------------------------------------|
| Last Name | First Name | |
| <input type="text" value="Reed"/> | <input type="text" value="Alastair M."/> | <input type="button" value="Search"/> |

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Day : Wednesday

Date: 1/11/2006
Time: 11:42:10**Inventor Name Search Result**

Your Search was:

Last Name = BRADLEY

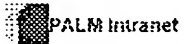
First Name = BRETT A.

Inventor Search Completed: No Records to Display.

| | Last Name | First Name | |
|---------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|
| Search Another: Inventor | <input type="text" value="Bradley"/> | <input type="text" value="Brett A."/> | <input type="button" value="Search"/> |

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Application Number

IDS Flag Clearance for Application

**IDS
Information**

| Content | Mailroom Date | Entry Number | IDS Review | Reviewer |
|---------|---------------|--------------|-------------------------------------|----------------------------|
| M844 | 01-18-2005 | 36 | <input checked="" type="checkbox"/> | 11-08-2005 09:49:56 smoore |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------|------------------|---------|---------------------|
| L1 | 1 | (watermark\$4 and contrast and measur\$4 and adjust\$4 and embed\$4 and predetermin\$4 and level\$4).CLM. | US-PGPU B | AND | ON | 2006/01/11 11:19 |